

REPORT / RECOMMENDATION



To: Edina Transportation Commission

Agenda Item #: VI. B.

From: Wayne D. Houle, PE, Director of Engineering

Action ☒

Date: March 21, 2013

Discussion ☒

Subject: Bike Standards Update

Information ☐

Action Requested:

Review and recommend that staff adopt the attached bike standards.

Information / Background:

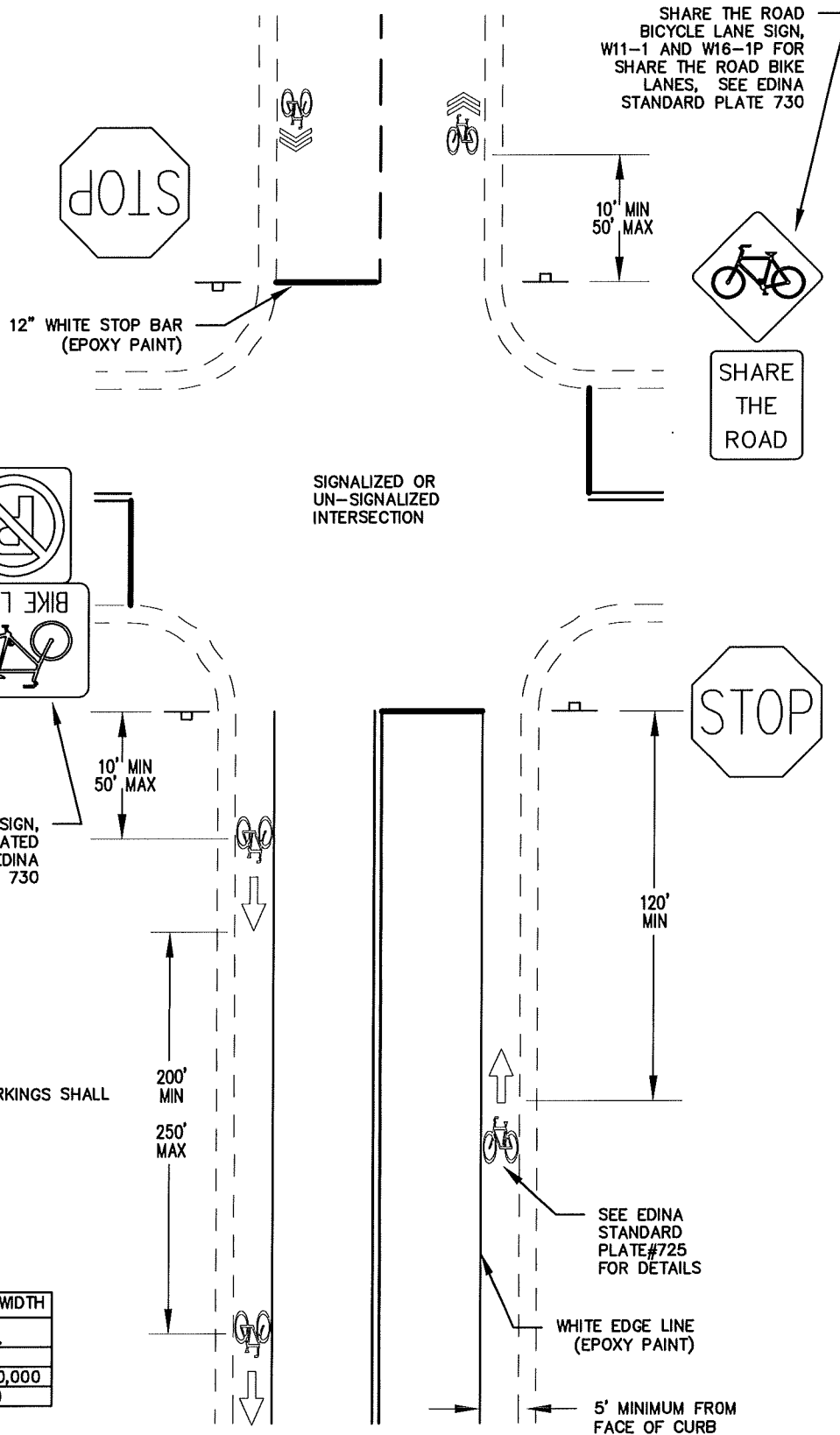
As part of our engineering standard plates or details staff would like input on the proposed standard bike markings and signage plates. Attached you will find the following standard plates for our standard bike markings and signage:

Plate No.	Description
720	Bike Lane Symbol & Sign Location
721	Pavement Markings For Bicycle Lanes on a Two Way Street
722	Pavement Markings For Bicycle Lanes At & In Right Turn Lanes
725	Bike Lane Pavement Marking Dimensions
730	Bikeway Signage

All of these standard plates do follow the Minnesota Manual on Uniform Traffic Control Devices. The standardization of these markings and signs will allow for a more consistent message to the general public. Once the standards are adopted staff will review our current signage and pavement markings and develop a schedule to change out the non-standard signage and markings.

Attachments:

Standard Plate No. 720, 721, 722, 725, 730



NOTES:

1. ALL PAVEMENT MARKINGS SHALL CONFORM TO MN MUTCD

BIKE LANE EDGE LINE WIDTH	
WIDTH	A.D.T.
4"	< 5,000
6"	5,000-10,000
8"	> 10,000



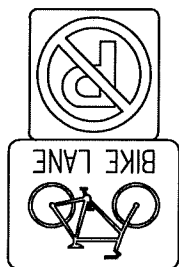
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BIKE LANE SYMBOL & SIGN LOCATION

APPROVED: CITY ENGINEER

REVISED:
3-13
STANDARD
PLATE
720

MINOR
INTERSECTION



EXAMPLE OF APPLICATION
WHERE PARKING IS PROHIBITED

50 TO 200 FEET OF DOTTED
LINE IF BUS STOP OR HEAVY
RIGHT-TURN VOLUME

EXAMPLE OF APPLICATION
WHERE PARKING IS PERMITTED

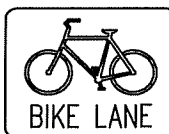
SOLID WHITE LINE

SOLID WHITE LINE

SOLID WHITE LINE
(OPTIONAL)

PARKING BAY

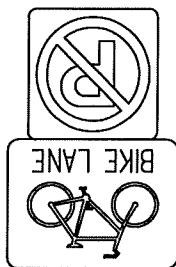
BIKE LANE EDGE LINE WIDTH	
WIDTH	A.D.T.
4"	< 5,000
6"	5,000-10,000
8"	> 10,000



SIGNALIZED
INTERSECTION

NOTES:

1. ALL PAVEMENT MARKINGS SHALL
CONFORM TO MN MUTCD



DOTTED LINE FOR BUS STOPS
IMMEDIATELY BEYOND THE
INTERSECTION IS OPTIONAL;
OTHERWISE USE NORMAL SOLID
WHITE LINE

50 TO 200 FEET OF
DOTTED LINE 2-FOOT
LINE, 6-FOOT SPACE

PARKING BAY

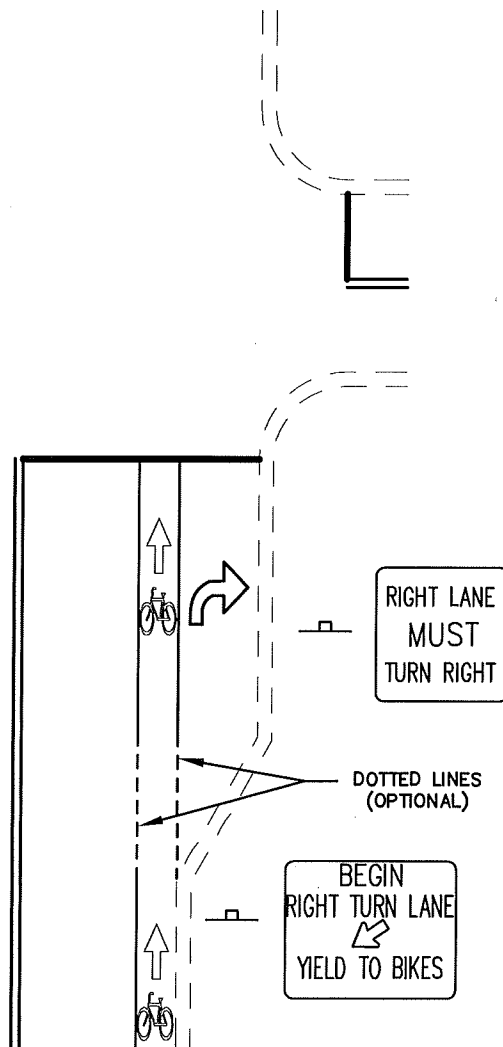
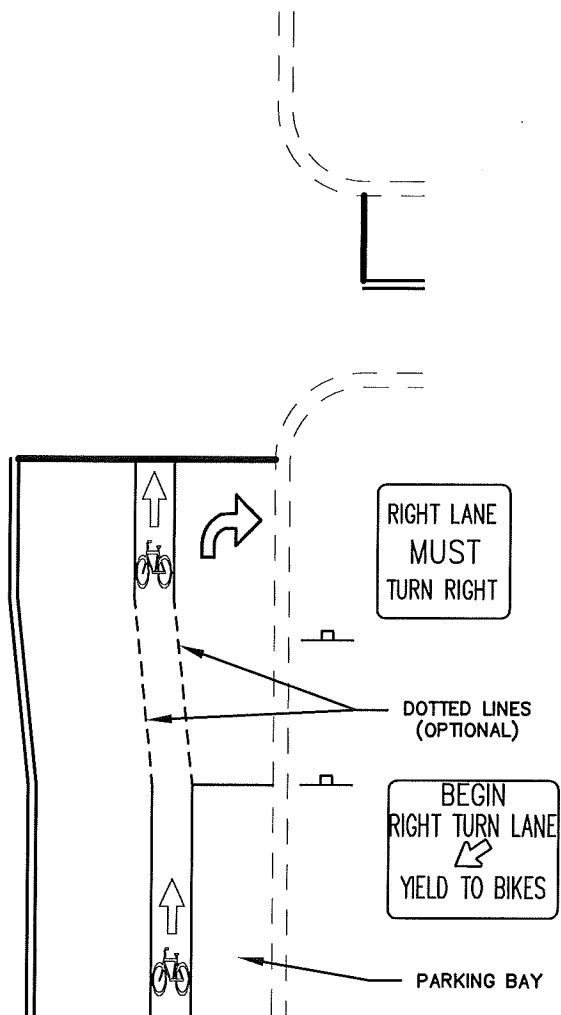


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PAVEMENT MARKINGS FOR BICYCLE LANES ON A TWO-WAY STREET

APPROVED: CITY ENGINEER

REVISED:
3-13
STANDARD
PLATE
721



NOTES:

1. ALL PAVEMENT MARKINGS SHALL CONFORM TO MN MUTCD



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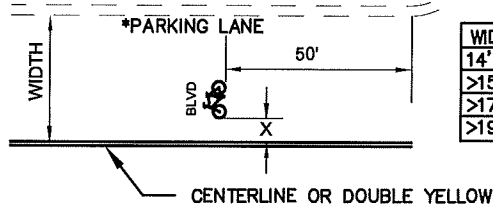
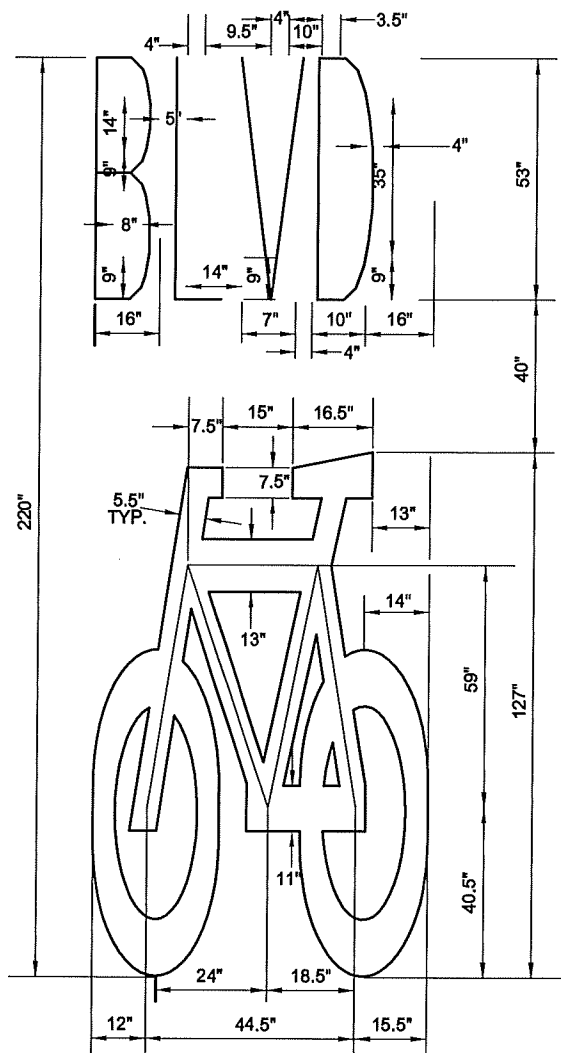
PAVEMENT MARKINGS FOR BICYCLE LANES AT & IN RIGHT TURN LANES

APPROVED: CITY ENGINEER

REVISED:
3-13

STANDARD
PLATE

722



WIDTH	X
14' - 15'	1'
>15' - 17'	2'
>17' - 19'	3'
>19' - 21'	4'

* IF THERE IS NO PARKING, THEN PLACE SYMBOL IN THE CENTER OF LANE FOR DIRECTION OF TRAVEL.

BICYCLE SYMBOL WITH BLVD MESSAGE SHALL BE WHITE EPOXY PAINT

BIKE BOULEVARD PAVEMENT MARKING DETAIL

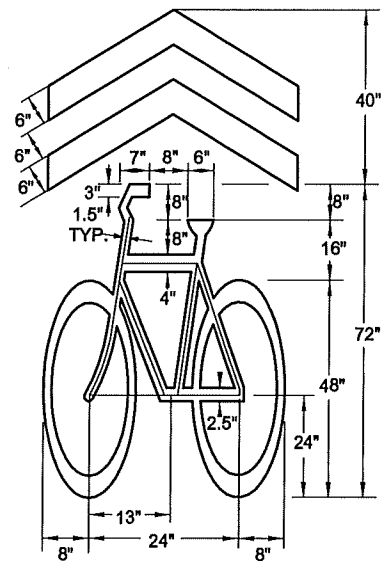


FIGURE 9C-9 SHARED LANE MARKING ON PAGE 9C-10 IN THE 2011 MN MUTCD

SHARED LANE PAVEMENT MARKING DETAIL

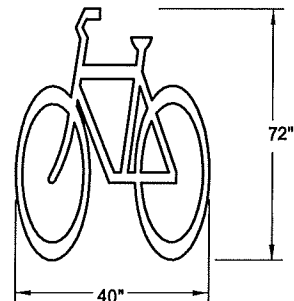
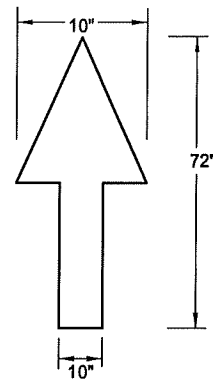


FIGURE 9C-3 A-BIKE SYMBOL ON PAGE 9C-4 IN THE 2011 MN MUTCD

BICYCLE LANE PAVEMENT MARKING DETAIL

NOTES:

1. PAVEMENT MESSAGES SHALL BE POSITIONED AS SHOWN IN THE EDINA STANDARD PLATES 720, 721 & 722
2. ALL BIKE LANE PAVEMENT MARKINGS SHALL BE EITHER WHITE POLYPREFORM GROUND-IN, WHITE EPOXY PAINT, LOW PROFILE PREFORMED THERMOPLASTIC (90 MIL.) OR APPROVED BY ENGINEER.
3. ALL PAVEMENT MARKINGS SHALL CONFORM TO MN MUTCD






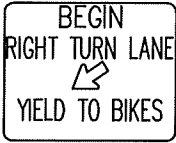


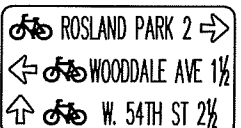



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BIKE LANE PAVEMENT MARKING DIMENSIONS

APPROVED: CITY ENGINEER

REVISED:
3-13
STANDARD
PLATE
725

PLAN SYMBOL	COLOR	MMUTCD CODE	SIZE (IN.)	PANEL LEGEND
	BLACK ON WHITE	R3-17	24"x18"	BIKE LANE
	BLACK ON WHITE	R3-17bP R3-17aP	24"x8"	END OR AHEAD
	BLACK ON YELLOW	W11-1	30"x30"	BICYCLE
	BLACK ON YELLOW	W16-1P	18"x24"	SHARE THE ROAD
	BLACK ON WHITE	R4-11	30"x30"	BICYCLE MAY USE FULL LANE
	BLACK ON WHITE	R4-4	30"x36"	BEGIN RIGHT TURN LANE YIELD TO BIKES
	WHITE ON GREEN	D1-1b D1-1c	CUSTOM	BICYCLE DESTINATION SIGN
	WHITE ON GREEN	D1-2b D1-2c	CUSTOM	BICYCLE DESTINATION SIGN
	WHITE ON GREEN	D1-3b D1-3c	CUSTOM	BICYCLE DESTINATION SIGN
	GREEN ON WHITE	SPECIAL ORDER	12" DIA.	BIKE ROUTE



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BIKEWAY SIGNAGE

APPROVED: CITY ENGINEER

REVISED:
3-13

STANDARD
PLATE
730